

**Amendment and Response**

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Serial No.: 10/072,512

Confirmation No.: 2889

Filed: 7 February 2002

For: DOSING DEVICE

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**Amendments to the Claims**

This listing of claims replaces all prior versions, and listings, of claims in the above-identified application:

1. (Canceled)

2. (Currently Amended) A buffered dosing device for a liquid, comprising:

- (a) a main chamber sized to hold more than one dose of the liquid;
- (b) a dosing chamber sized to hold one dose of the liquid, in fluidic communication with the main chamber; and

(c) a shuttle adapted for movement within the dosing chamber, the shuttle moving between:

- (i) a first position in which the liquid can flow between the main chamber and the dosing chamber;
- (ii) a second position in which the shuttle is depressed and seals the dosing chamber from the main chamber, and permits the liquid to exit the dosing chamber; and
- (iii) a third position intermediate the first and second positions, in which no liquid can flow between the main chamber and the dosing chamber, and no liquid can escape from the dosing chamber.

3. (Canceled)

4. (Previously Presented) The dosing device of claim 2 wherein the shuttle is adapted for movement between the second position and the first position, in which the dosing chamber can be refilled with liquid from the main chamber.

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5. (Previously Presented) The dosing device of claim 2 wherein the shuttle is disposed within the main chamber and the dosing chamber.
6. (Previously Presented) The dosing device of claim 2 wherein the device includes a volumetric spacer within the dosing chamber.
7. (Previously Presented) The dosing device of claim 2 in combination with liquid in at least one of the main chamber and the dosing chamber.
8. (Previously Presented) The dosing device of claim 2 wherein the device further includes a spring for biasing the shuttle toward the first position.
9. (Previously Presented) The dosing device of claim 2 wherein the main chamber is refillable.
10. (Original) The dosing device of claim 9, wherein the main chamber may be refilled by removing a cap that forms at least a portion of the main chamber.
11. (Previously Presented) The dosing device of claim 2 in combination with a carrier tray.
12. (Previously Presented) The dosing device of claim 2 wherein the shuttle is unbiased.
13. (Previously Presented) The device of claim 2 wherein the fluid in the main chamber has been dispensed, the main chamber cannot readily be refilled.

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14. (Canceled)

15. (Canceled)

16. (New) A buffered dosing device for a liquid, comprising:

- (a) a main chamber sized to hold more than one dose of the liquid;
- (b) a dosing chamber sized to hold one dose of the liquid, in fluidic communication with the main chamber;
- (c) a shuttle adapted for movement between:
  - (i) a first position in which the liquid can flow between the main chamber and the dosing chamber;
  - (ii) a second position in which the shuttle is depressed and seals the dosing chamber from the main chamber, and permits the liquid to exit the dosing chamber; and
  - (iii) a third position intermediate the first and second positions, in which no liquid can flow between the main chamber and the dosing chamber, and no liquid can escape from the dosing chamber; and
- (d) a spring for biasing the shuttle toward the first position.

17. (New) The dosing device of claim 16 wherein the shuttle is adapted for movement between the second position and the first position, in which the dosing chamber can be refilled with liquid from the main chamber.

18. (New) The dosing device of claim 16 wherein the shuttle is disposed within the main chamber and the dosing chamber.

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19. (New) The dosing device of claim 16 wherein the device includes a volumetric spacer within the dosing chamber.

20. (New) The dosing device of claim 16 in combination with liquid in at least one of the main chamber and the dosing chamber.

21. (New) The dosing device of claim 16 wherein the main chamber is refillable.

22. (New) The dosing device of claim 21, wherein the main chamber may be refilled by removing a cap that forms at least a portion of the main chamber.

23. (New) The dosing device of claim 16 in combination with a carrier tray.

24. (New) The dosing device of claim 16 wherein the fluid in the main chamber has been dispensed, the main chamber cannot readily be refilled.